

Leader

SEQ ID NO: 45 L2  
46 B  
47 D  
48 E  
49 L1  
50 F  
51 C  
52 A  
53 H  
54 L3  
55 MU  
56 PN

MKLLKSVLFAALS-SASSLQALPVGNPAEPSLMIDGILWEGFGDPCDPCTTWCDAISMRMGYYGDFVDRVLQTDVNKEFQMGAKPTT--A--TGNAAA-----PST  
--T--  
--D-- S --L  
D S--T-- T --T  
A--T--  
EALAG--S-- TTS---TL K  
A --S---DV GLQND- TI  
A RDV--A LEKD--- VV  
A ---D--- K  
E --SDTA LSND--- T  
A G--D--ADLTT ---TP  
-----GS -----AAN

VD 1

A V G H  
A LA FAG VG

VD 2

SEQ ID NO: 57 L2  
58 B  
59 D  
60 E  
61 L1  
62 F  
63 C  
64 A  
65 H  
66 L3  
67 MU  
68 PN

CTA---RENPAYGRHQDAEMFTNAAAYMALINWDRFDVFCITLGATSGYLKGNASAFNLVGLFGDNENHATVSDSKLVPNMSLSDQSVVELYTDITFAWSAGARA  
L ---  
L ---  
LVE---T  
NV ---P  
NV ---P  
NV ---P  
NV ---P  
-AS---  
Y TAVD P

N QTK NGTF  
OK K-AES F  
OS K-TNS  
OS KKDA- F  
GV - KPAADSI VQ N  
TKTQSSSFNTA I TA  
TKTQSSGFDANI TA N A  
TKTKSSDFNTA IA NRA  
TKTQSTNFNTA TA N A  
RD TAVAAD ---I V S A  
VKGTTVNANE---L V SNG

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Fig. 1A

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[illegible]

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SEQ ID NO:	81	L2	DTIRIAQPKSATTFVDVTINPTIAG-AGDVK-ASA-EGQLGDTMQIVSLQLNKMKSRKSCGIAVGTTIYDAADKYAVTVETRLIDERAAHVNAOERF
			VL 4

SEQ ID NO:	81	L2	DTIRIAQPKSATVFDVTTLNPTIAG-AGDVK-ASA-EGQLGTTMQIVSLQLNKMKSKSCGIAVGTTIVDADKYAVTVETRLIDERAAHVNAQFRF
82	B	E I	- T -
83	D	AI T	-TGT-
84	E	AI T	-
85	L1	AI T	-
86	F	RLV P V I	- E - N -
87	C	L EAIL	- C S AGNT- IS
88	A	L KP L T	R T KGSV S- GT-DNE A
89	H	L EAIL	- K T V-S - NE A
90	L3	L EA L	- K S V- GSDND A
91	MU	LE SILKM W	- K S V- GS NE A
92	PN	LP A LNL AW	S S ----IDV-DTKIT L
			SLL -NATAL-STT-DS-FS F

**Fig. 1B**

CPN90-105	<u>C. pneumoniae</u>	C	T	G	S	A	A	-	A	N	Y	T	T	A	V	D	-	R	P	N	93
CTP89-105	<u>C. trachomatis</u> (mouse)	C	T	G	D	A	D	L	T	T	A	P	T	P	A	S	-	R	E	N	94
CTL91-106	<u>C. trachomatis</u> (L2)	C	T	T	A	T	G	N	A	A	P	S	T	C	T	A	R	E	N	95	
CPS92-106	<u>C. psittaci</u>	C	A	S	G	T	A	-	S	N	T	T	V	A	A	D	-	R	S	N	96

Fig. 2

**T-0202**

	SEQ ID NO.
CPN158-171 C. pneumoniae	C F G V K G T T V N A N E - - L P 97
CTP158-171 C. trachomatis (mouse)	C F G R D E T A V A A D D - - I P 98
CTL159-175 C. trachomatis (L2)	C F G D N E N H A T V S D S K L V P 99
CPS160-172 C. psittaci	C I G L A G T D F - A N Q - - R P 100

Fig. 3

															SEQ ID NO.
CPN342-354	<u>C. pneumoniae</u>	C	Q	I	N	K	F	K	S	R	K	A	C	G	101
CTP342-354	<u>C. trachomatis</u>	C	Q	I	N	K	M	K	S	R	F	A	C	G	102
CTL342-354	<u>C. trachomatis</u>	C	Q	L	N	K	M	K	S	R	K	A	C	G	103
CPS342-354	<u>C. psitacci</u>	C	Q	I	N	K	F	K	S	R	F	A	C	G	104

**Fig. 4**